

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. (Currently amended) A method for detection of a location of a response transmitter which communicates with a base station, comprising:
communicating using two frequency ranges between the base station and the response transmitter, walls the space being permeable to a first frequency range and impermeable to a second frequency range, such that communication between the base station and the response transmitter continues using at least a first frequency range, and determining whether the base station and response transmitter are on a same side of the wall using a second frequency.
2. (Previously presented) The method as claimed in claim 1, the communication from the response transmitter to the base station occurring in the first frequency range.
3. (Previously presented) The method as claimed in claim 1, the base station transmitting a communication signal in the first frequency range and a location interrogation signal in the second frequency range.
4. (Previously presented) The method as claimed in claim 1, the base station transmitting location interrogation signals selectively from one of inside and outside the space.
5. (Previously presented) The method as claimed in claim 3, the response transmitter being activated using the location interrogation signal.

6. (Currently amended) A communications system, comprising:

a base station with a first transmitter/receiver unit for communication signals and a transmitter unit for location interrogation signals;

a response transmitter with a second transmitter/receiver unit for the communication signals and a receiver unit for location interrogation signals; and

an interior space having walls impermeable to one frequency range, the communication signals being transmitted and received in a frequency range to which the walls are permeable, such that communication between the base station and response transmitter continues, and the location interrogation signals being transmitted in a frequency range to which the walls are impermeable to determine whether the base station and response transmitter are on a same side of the walls.

7. (Previously presented) The communications system as claimed in claim 6, the base station having a transmitter antenna located outside of the interior space and a transmitter antenna located inside of the interior space.

8. (Previously presented) The communications system as claimed in claim 6, the response transmitter including code data which is transmitted collectively in response to the communications interrogation signal.

9. (Previously presented) The communications system as claimed in claim 8, the communications system being a component of an anti-theft system of a motor vehicle, the base station being in a motor vehicle and the response transmitter being carried by a person.

10. (Previously presented) The method as claimed in claim 4, the response transmitter being activated using the location interrogation signal.

11. (canceled)